Red Planet Recycle

Meeting 17/01/2012

2:00pm Classroom 7

Chairman – Jamie Cassels

Secretary – Yassen Abbas

Meeting Agenda

1. Presentation of findings from Christmas Tasks (feasibility of each process)
2. Bioremediation - Bo Peng
3. Digestion – Dylan Martin
4. Bio-Reactor Systems – Yassen Abbas
5. Fermentation – Dylan Martin
6. Membrane separations – Lois Doig
7. Advanced Oxidation Processes - Bo Peng
8. Electrocoagulation – Malcolm Chambers
9. UV sterilisation – Scott Clarke
10. Supercritical CO2 – Sam Jones
11. ISS baseline Technology – Sam Jones
12. Vapour Phase Catalytic ammonia reactor – Gareth Herron
13. Direct Osmotic concentration – Gareth Herron
14. Immobilised Cell Bioreactor – Sam Walpole
15. Sabatier Reaction – Jamie Cassels
16. Bosch Reaction – James Young
17. Reverse Water Gas shift reactor – Charlotte Raymond

2. Discussion of findings and selection of the process for use in phase 2

3. Allocation of Tasks (detailed design of systems) and decision on deadline.

4. Election of Chairman and Secretary for the next meeting